A project excecuted by University of Brasilia with collaboration of Brazilian National Fund of environment

Cassava Hybrids to improve livelihood in Federal District and state of Goias

Background

Productivity of cassava in the federal district varies from 10 to 12 ton/hectar while the hybrids developed by the university of Brasilia produce up to 40 ton/hectar. In the meatime, cultivated varieties are poor in protein and carotinoids while those selected by the university have upto 8 mgm per kg B carotin and lycopene.

The hybrid developed by the university has 4.5 percent true protein and rich in amino acids methionine, lysine which are absent in common cassava.

A new technique developed by the university equip shwed that If a stalk of certain wild species such as M. glaziovii grafted to a cutting of cassava , it may stimulate root production up to 7 folds

Objectives of this project is to distribute these improves cultivars to small farmers and settled refugees to enable them improve their income and guarantee for them food source all over the year.

Wild speces used in the grafted will be perpetuated and conserved by the farmers through practicing of grafted cassava in their properties.

There is is also a result on the long run, which is by bringing the hybrids and the cultivate closely together, natural interpecific hybridization may occur and bring new productive cultivars by Both natural selection and farmers selection .

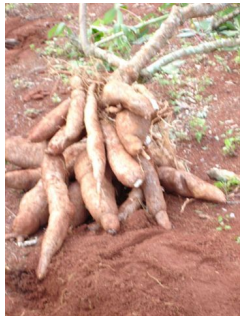
Method, technique and Follow up

- cuttings of improved cultivars have been distributed. Seedlings too to guarantee
- success of plantaion in case of rainfall shortage
- The equioe of the project is arranging training for participant farmers on grafting wild assava onto the cultivate
- - The project equipe accompany every farmer through regular visits orienting them on different aspects of plants treatments.
- An exposition of productivity will be made by the end of the first year
- where neigbours of every participants are invited to see the result.

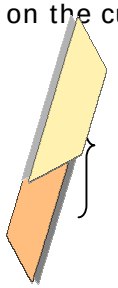
Yellow cassava rich in B carotene

UnB 120

Productivity 18 kg per plant



Grafting wild cassava on the cultivate



Wild stalk

INFORMAÇÕES

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Red cassava ,rich in kycopene

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Red Cassava rich in Lycopene

Realização

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Apoio

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